

JGI

Powering Growth with Steel



JSW | explore
Infinite Possibilities

**Powering Growth
with Steel – Since 1997**



From Highways to Airports
Ships to Skyscrapers
Bridges to Automobiles
Panels to Appliances.

 JGI, Powers the Future - Just In Time



About Us

JGI is among India's most trusted steel solution providers, a leading steel distributor, and an authorised steel processing unit for **JSW Steel Ltd.** With **three decades** of expertise, we serve **1,000+ clients** and have achieved a turnover of ₹654 crore in FY 2024-25.

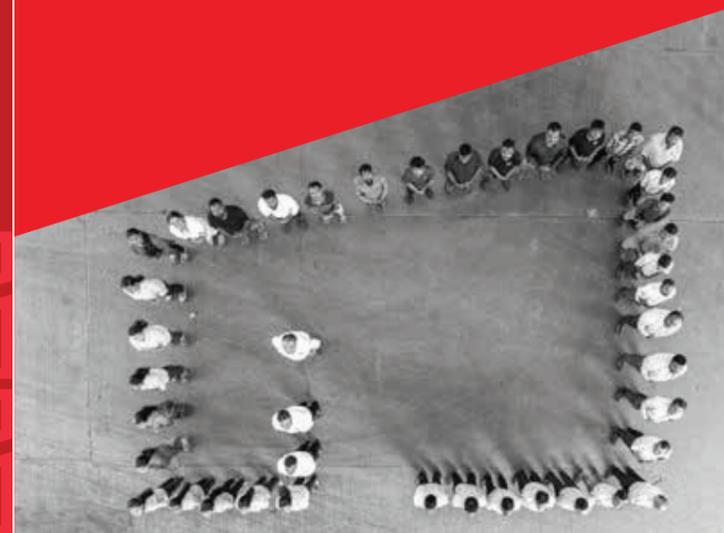
Our operations include an annual processing capacity of **6.2 lakh tonnes**, managed by a committed team of **250+ professionals**. We operate across facilities spread over **16 acres**, with **7,00,000 sq. ft.** of working space, equipped with world-class infrastructure to deliver precision-driven solutions.

Backed by **Just-In-Time** logistics and a strong focus on innovation, accuracy, and reliability, JGI continues to stand as a **trusted partner** in progress for industries across India.

Mission

To create value for our customers and key stake holders by continuously improving our services, systems and processes with our competent team effort.

**Facility - Decoiling | Tension Leveling | Slitting | Shearing | Embossing
Profiling | Packing | Warehousing | Door Delivery | Cut & Bend**





Why JGI?

- Large Variety of ready to use Steel inventory
- Tailored solutions driven by inhouse steel processing and a strong network of steel mills.
- Impeccable service and support
- Quality products with assured standards
- Timely delivery commitment
- Genuine documents with manufacturer test certificates
- Experienced team with strong industry expertise
- ISO certified company (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018)



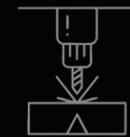
Industries **We Power**



Automotive



White Goods / Electronics



Industrial Fabrication



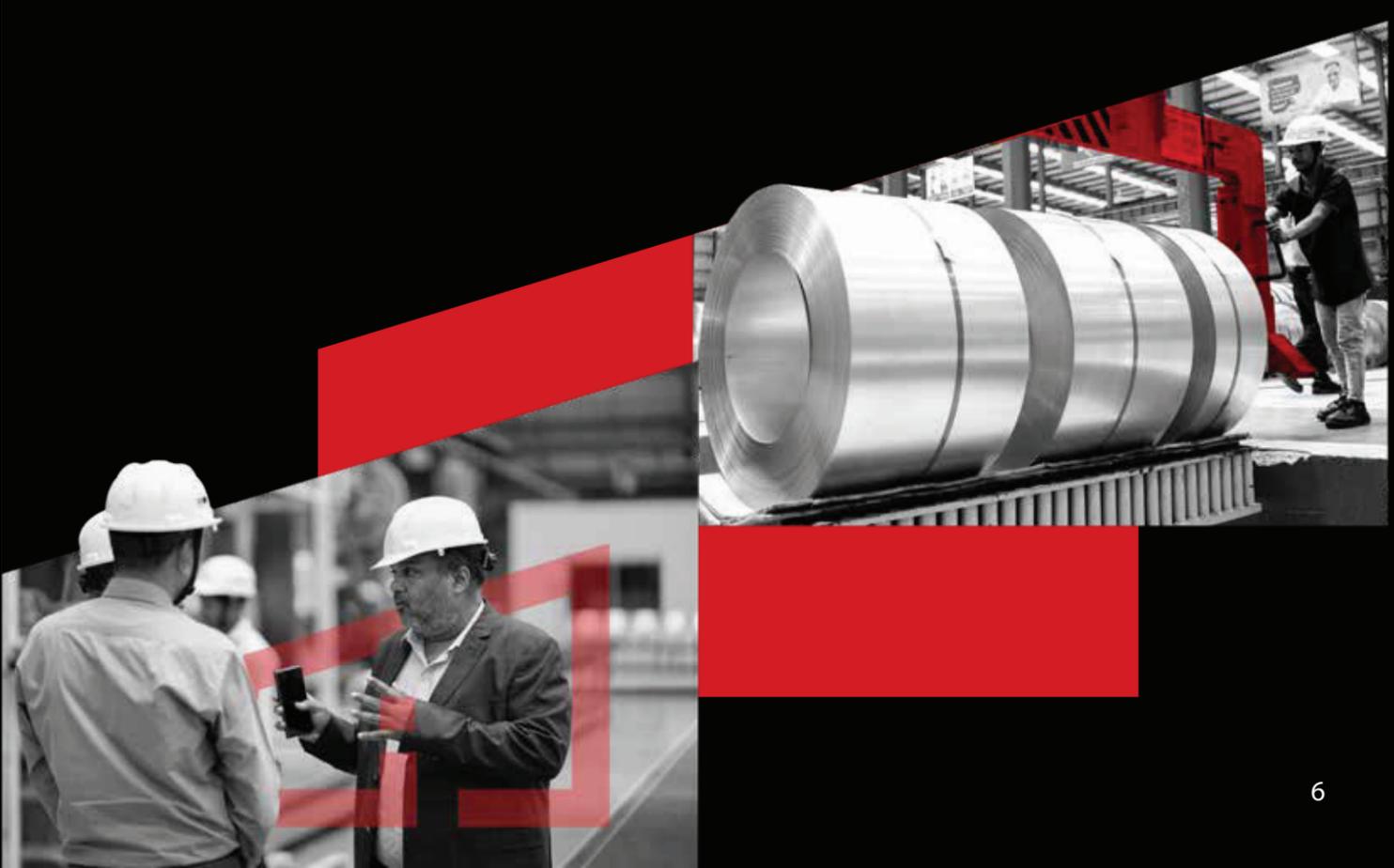
Large-Scale Construction



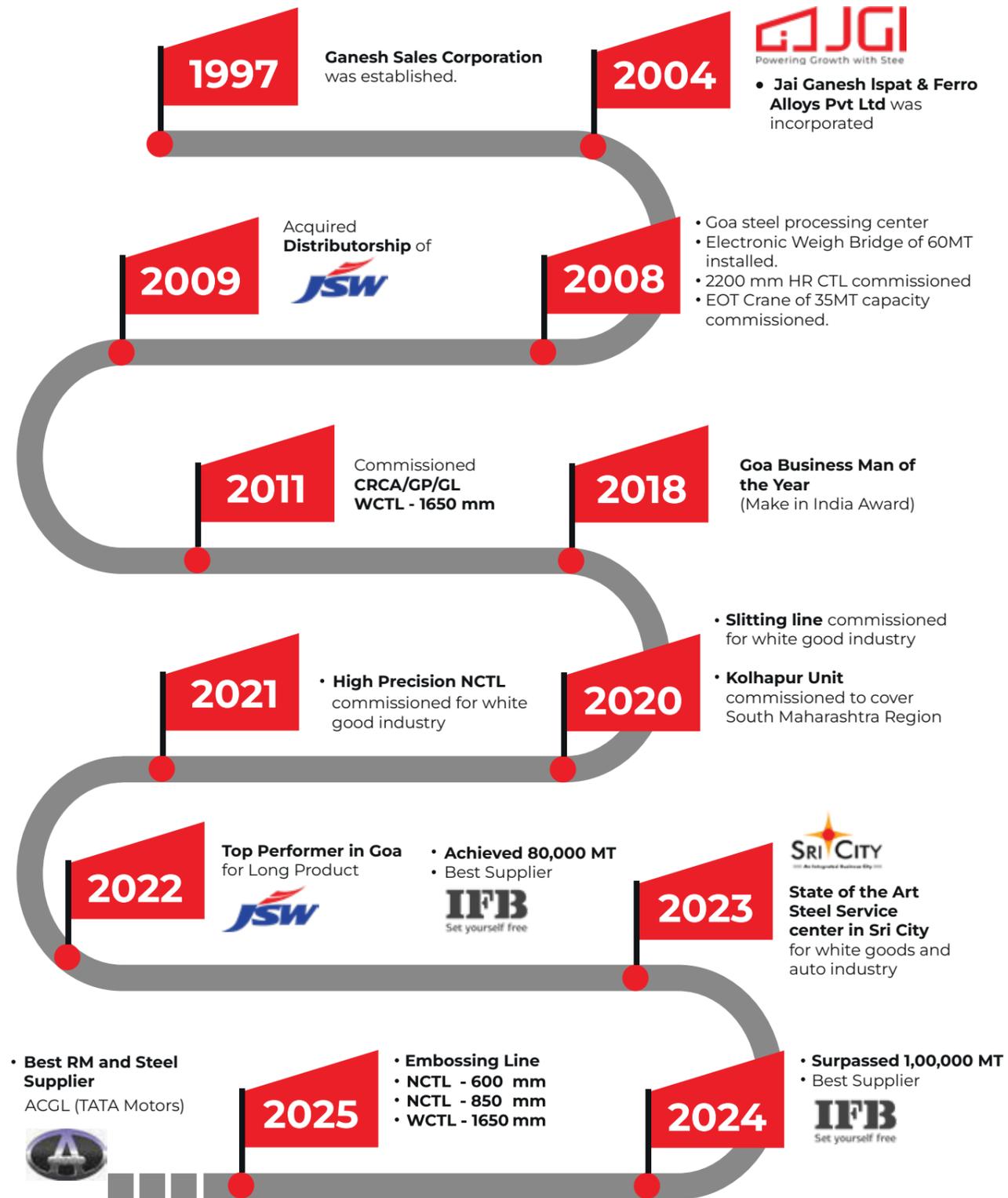
FMCG Manufacturing
Machines



Oil & Gas Infrastructure



Our Achievements



Our Products



Cold Rolled Closed Annealed (CRCA) and Galvanized

High-quality surface finish and dimensional accuracy make these suitable for automobiles, appliances, and furniture.

1) Coils 2) Sheets

- ✓ Quality Assurance
- ✓ Available in different Grades (As per requirement)
- ✓ Available in wide range of thickness (From 0.30mm to 3.20mm)
- ✓ Available in wide range of Width (From 20mm to 1540mm)
- ✓ Available in wide range of Length (As per requirement)
- ✓ Ready to use Stock Availability



CRCA Coils

Paint Industry, Gensets, Elevators, Antennas, Computer Case, Furniture, Automotive Doors & Body, Electrical Panels, Mobile Tower, etc.

Grades of CR and GP Sheets

IS513 D	Drawing
IS513 DD	Deep Drawing
IS513 EDD	Extra Deep Drawing
IS513 IF	Interstitial Free

JGI Value Additions

- ▶ Customised Length
- ▶ Customised Width
- ▶ Minimum Thickness - 0.30 mm
- ▶ Maximum Thickness - 3.20 mm

Quality of Finished Product

Diagonal Difference 0.1%
Zero Burr & Bow Level
Zero Surface Defects
Zero Scratch Marks
Free of Rust
Free of Dents



Products are corrosion-resistant sheets used in roofing, panels, and ducts.

1) Coils 2) Sheets

- ✓ A wide thickness range for varied applications.
- ✓ Manufactured in commercial, forming, drawing and structural grades.
- ✓ Rust-resistance and a longer product life, due to a perfect zinc coating on the strips, made by computerized processes.
- ✓ Computerized zinc coating ensures rust resistance and longer product life.
- ✓ A wide range of surface finishes, including bright, dull and matte. Plus, a choice of regular or minimum spangles, so you can customise these your way.



GP Coils

Appliance & White Goods Industry, Auto Sector, Cable Tray, etc.

Mode of Packaging

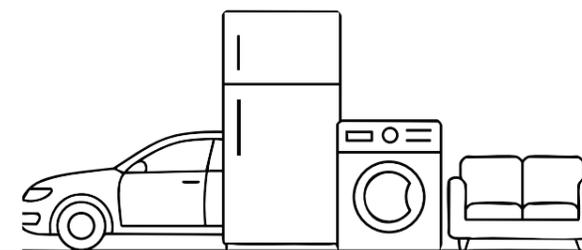
Metal Jacket Pallet Packing
Top Protective Cover Sheet
Bottom Protective Cover Sheet
Wooden Pallet
HDPE and LDPE Wrap
Steel Strapped

Choice of Surface Finish for GP

Skin Pass
Non Skin Pass
Zero Spangled
Regular Spangled
Oily / Non Oily / Chromated

Choice of Coating for GP

80 gsm
120 gsm
180 gsm
275 gsm

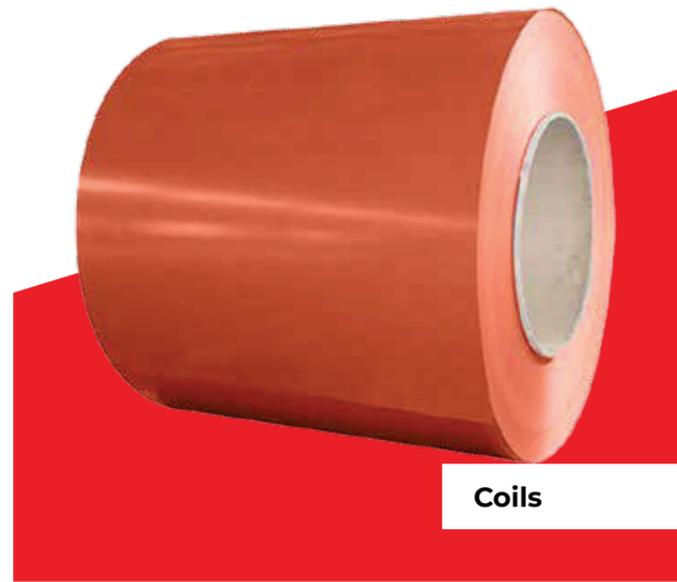


PPGI / PPGL

High-performance pre-painted galvanized steel, designed for versatile industrial and architectural use and engineered for strength.

1) Coils 2) Sheets 3) Roofing Sheets

- ✓ Long-lasting protection in extreme weather
- ✓ Wide range of colours, gloss levels & textures
- ✓ Easy installation & lighter support structures
- ✓ High tensile strength from pure steel
- ✓ Colour durability for extended life
- ✓ Zero maintenance once installed



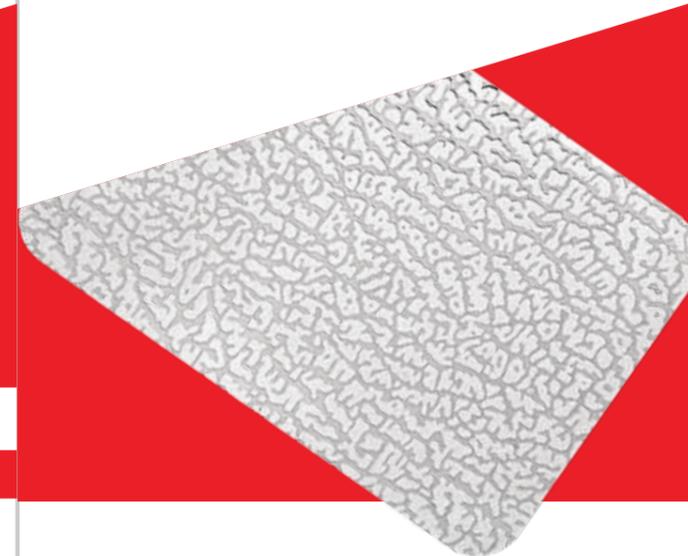
Coils



Roofing Sheets

Embossing

Embossed finished steel for plates in construction and infrastructure projects



- ✓ Widely used Consumer Appliances - refrigerators and deep freezers
- ✓ Standard coil handling, compatible with most MS and GI/PPGI suppliers.
- ✓ Provides decorative textures such as leather grain, stucco, or custom patterns.
- ✓ Gives a clear textured effect on MS steel sheets without damaging strength.

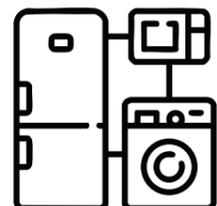
Product Range
PPGI (Pre-Painted Galvanized Iron)
PPGL (Pre-Painted Galvalume)

Zinc Coating (for PPGI):
Choice of
80 GSM / 120 GSM / 275 GSM
(Available with/without guard film)

AZ Coating (for PPGL):
AZ 40 / AZ 70 / AZ 150

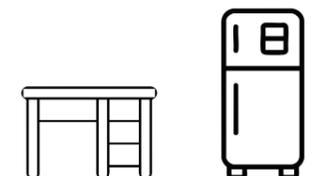
Parameter	Range / Specification
Substrate Options	GI (Zinc-coated), GL (Al-Zn coated), Zn-Al-Mg (Magsure)
Thickness	0.30 – 1.00 mm (common: 0.4 mm, 0.5 mm, 0.6 mm)
Width	Up to 1550 mm
Coating Types	SMP, SDP, PVDF, PE
Paint Thickness	2 coats, 3 coats and 4 coats
Applications	Cladding, Panels, OEM, Fabrication
Color Variety	Custom colours
Finish Options	Matte, Glossy
Customization	Thickness, color, coating, finish, PVC protective film, with Guard film and without guard film

Parameter	Specification
Material type	MS Steel (can be processed as GI/PPGI sheets)
Thickness range	0.25 mm – 0.55 mm
Max coil width	1300 mm
Coil inner diameter (ID)	508 mm (sleeve available for 610 mm)
Max coil outer diameter (OD)	1500 mm
Depth of hardened layer	10–12 mm
Embossing tolerance	≤ 0.015 mm



Roofing & Cladding, Pre-engineered Buildings (PEBs), Warehouses & Industrial Sheds, Airport & Metro Projects, Consumer Durables & Appliances and Dockyards & Cold Storage

Building & Construction, Interior Applications, Appliances, Industrial Use and Furniture & Design



Hot Rolled (HR)

1) Coils 2) Sheets / Plates

- ✓ Available in different Grades (As per requirement)
- ✓ Available in wide range of thickness
- ✓ Available in wide range of Width
- ✓ Available in wide range of Length
- ✓ Easy stock availability.
- ✓ Approved by IRS, ABS, DNV & LRS for ship building



Coils

Standards	Grades
ASTM	A36, A572, A573, A633, A242 Type I, A588 Gr A, A283, Gr NB/C/D
EN10025	S235, S275, S355
DIN 17100	St. 37, 44, 52
ASTM A515	Grades 60(415), 65(450), 70(485)
ASTM A516	Grades 55(380), 60(410), 65(450), 70(485)
ASTMA537	Class I
ASTMA387 M	Gr2 Cl.1, Cl.2, GR11 Cl.1, Cl.2, Gr2 Cl.1, Cl.2, GrCl.1, Cl.2
ASTMA204 M	A, B, C
IRS/BVQ/LRS/ABS/DNV	A, B, D, AH27, DH27, AH32, DH32, AH36, DH36 and equivalent
API 5L	Gr B, X-42, X-46, X-52, X-56, X-60, X-65, X-70
IS 1039	E250
IS 2062	E250, E275, E350, E410, E450, A, B, BR, BO, C
IS 2041	R220, R260, R275, R355, H235, H265, H295, H355
IS 2002	Grade 1, Grade 2, Grade 3
IS 10748	Grade 1, Grade 2, Grade 3, Grade 4, Grade 5
IS 5986	Grade 165, Grade 205, Grade 255, Grade 325, Grade 355, Grade 420, Grade 490, Grade 560
ASTMA588	Corten Steel (Weather Resistant Steel)

Section	
Thickness (mm)	Weight (kg/m ²)
1.60	12.55
1.80	14.15
2.00	15.70
2.25	17.60
2.50	19.00
2.80	22.00
3.15	24.75
3.55	27.90
4.00	31.40
5.00	39.25
6.00	47.10
7.00	54.95
10.00	78.50
12.00	94.20
14.00	109.90
16.00	125.60
18.00	141.30
20.00	157.00
22.00	172.70
25.00	196.25
28.00	219.80
32.00	251.20
36.00	282.60
40.00	314.00
45.00	353.20
50.00	392.50

JGI Value Additions

- ▶ Copper Slag Blasted & Epoxy Coated
- ▶ Customised Length and Width

HR Dimensions (Min - Max)

Thickness	1.6mm - 50mm
Width	200 mm - 2500 mm
Length	300mm - 12000mm

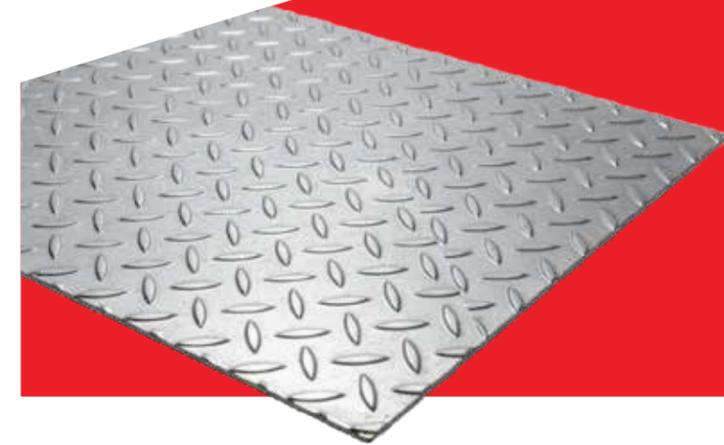
Auto Industry, General Body Engineering, Welded Tubes & Pipes, Barge & Ship Building, LPG Cylinders, Boiler Tubes, Pressure Vessels, etc.

Request for IACS (IRS, ABS, DNV, BVQ, LRS) Certification.

Chequered Plates

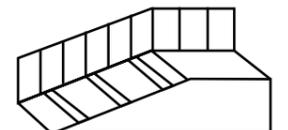
Metal sheets with a raised pattern for enhanced grip and durability

- ✓ Slip-resistant surface ensures secure footing in industrial and commercial areas
- ✓ Uniform thickness and high load-bearing strength
- ✓ Corrosion-resistant finish for long service life
- ✓ Easy to fabricate, cut and weld
- ✓ Ideal for flooring, ramps, and walkways



Thickness (mm)	Weight (kg/m ²)
3	150
4	200
5	250
6	300
8	400

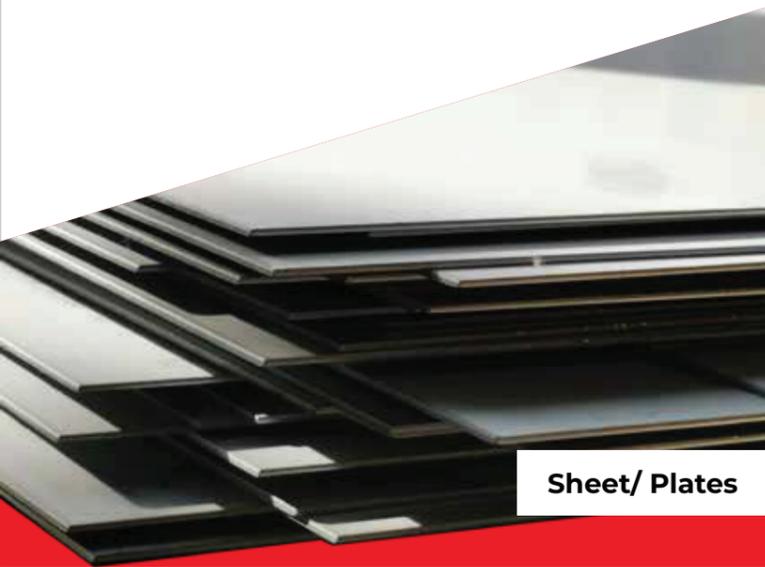
Commonly used in appliances, flooring, stair treads, ramps, industrial walkways and elevators.



Hot Rolled Pickled and Oiled (HRPO)

Clean, uniform steel suited for fabrication, automotive and heavy industrial use.

1) Coils 2) Sheets 3) Plates



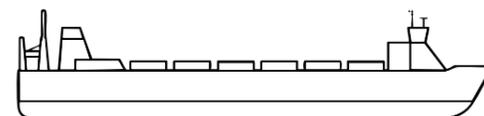
Sheet/ Plates

- ✓ Smooth, scale-free surface for superior paint and coating finish.
- ✓ Consistent thickness for precise fabrication and assembly.
- ✓ Excellent formability for easy bending, shaping, and stamping.
- ✓ Rust-resistant and long-lasting with protective oiling.
- ✓ Versatile for automotive, industrial, and construction needs.

Thickness Range	1.6 – 6.0 mm
Width Range	100 to 1650 mm
Length / Coil Weight / Other Dimensions	For sheets: Length approx 100mm - 6,000mm
Grades / Application Types	IS 2062:2011 E250A, SAPH 440, IS 1079:2017 HR2

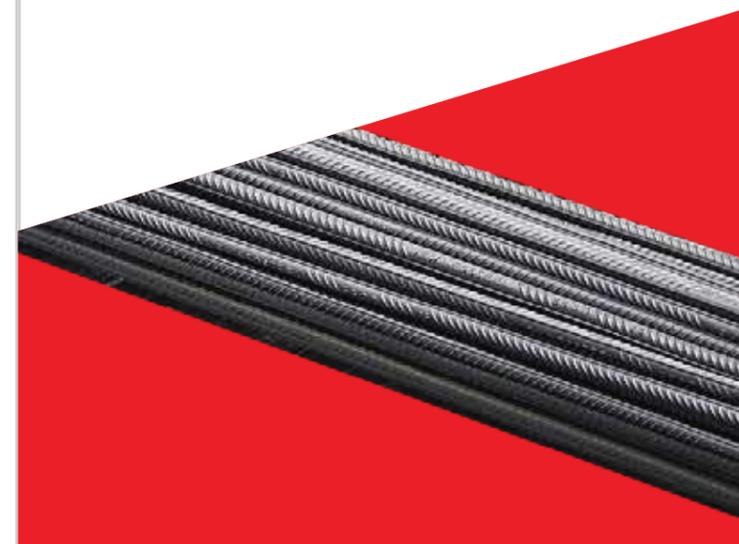
Auto Industry, General Body Engineering, Welded Tubes & Pipes, Barge & Ship Building, LPG Cylinders, Boiler Tubes, Pressure Vessels, etc.

Request for IACS (IRS, ABS, DNV, BVQ, LRS) Certification.



JSW Neosteel TMT Bars

Thermo Mechanical Treated Reinforcement Steel Bars



- ✓ High strength with excellent ductility
- ✓ Superior earthquake resistance
- ✓ Advanced rib pattern for stronger bonding with concrete
- ✓ Excellent bendability and weldability
- ✓ Corrosion-resistant CRS grades
- ✓ Made from pure iron ore for consistent quality
- ✓ Cut & Bend Available
- ✓ Stock Readily Available

Tolerance Chart: IS:1786-2008		JSW Steel Ltd.	
Size(mm)	Sectional Wt. (Range) Kg/mtr.	Sectional Wt. (Range) Kg/mtr.	Sectional Wt. (Range) Kg/mtr.
08	0.363 - 0.426	0.395	+0/-7%
10	0.567 - 0.666	0.617	+0/-7%
12	0.835 - 0.941	0.888	+0/-5%
16	1.501 - 1.659	1.580	+0/-5%
18 *	1.940 - 2060	2.000	+0/-3%
20	2.396 - 2.544	2.470	+0/-3%
22 *	2.891 - 3.069	2.980	+0/-3%
25	3.735 - 3.966	3.850	+0/-3%
28	4.685 - 4.975	4.830	+0/-3%
32	6.121 - 6.499	6.310	+0/-3%
36 *	7.750 - 8.230	7.990	+0/-3%
40	9.564 - 10.156	9.860	+0/-3%

Grades

- FE 500
- FE 500D
- FE 550D
- FE 550D CRS
- Extra Ductile Steel (EDS)
- FE 600 *
- FE 600 CRS *
- FE 650 *
- FE 650 CRS *
- Fusion Bonded Epoxy Coated *

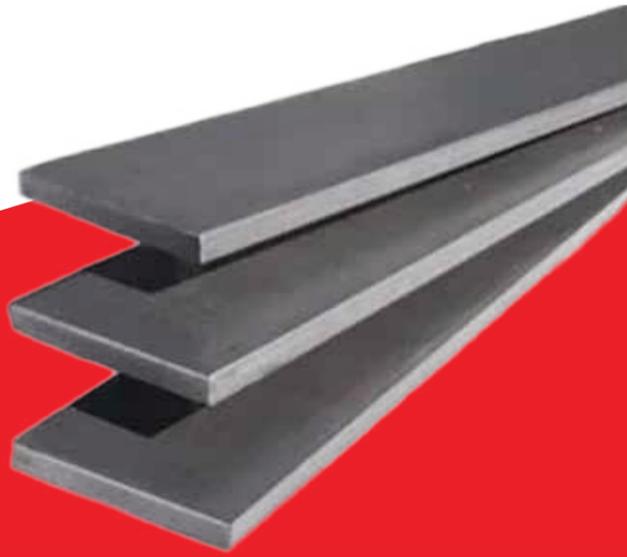
High-rise buildings, Bridges & flyovers, Dams & power plants, Coastal / corrosion-prone structures (CRS recommended) and General RCC structures

*Minimum Order Quantity: 500 Tons
Lead Time: 45 Days



MS Flat Bars

Strong, versatile steel sections for construction, fabrication, and industrial use.



- ✓ Wide size range for varied applications
- ✓ High strength for robust structural support
- ✓ Easy to cut, weld, drill, and form
- ✓ Durable with corrosion resistance when treated
- ✓ Suitable for construction, fabrication, and automotive use

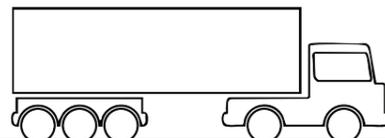
Size in mm	Weight in Kg / Mtr
12 x 3	0.282
12 x 5	0.470
18 x 4	0.585
20 x 3	0.470
20 x 5	0.790
20 x 6	0.942
25 x 3	0.600
25 x 5	1.000
25 x 6	1.197
25 x 8	1.550
25 x 10	1.998
25 x 12	2.398
32 x 3	0.798
32 x 5	1.296
32 x 6	1.499
32 x 8	2.202
32 x 10	2.802
32 x 12	3.297
32 x 16	4.403
40 x 3	0.899
40 x 5	1.598

Size in mm	Weight in Kg / Mtr
40 x 6	1.903
40 x 8	2.500
40 x 10	3.100
40 x 12	3.799
40 x 16	4.997
40 x 20	6.300
40 x 25	7.897
40 x 32	9.505
50 x 3	1.197
50 x 5	1.998
50 x 6	2.398
50 x 8	3.097
50 x 10	3.898
50 x 12	4.698
50 x 16	6.300
50 x 20	7.799
50 x 25	9.797
65 x 6	3.100
65 x 8	4.133
65 x 10	5.166
65 x 12	6.099

Size in mm	Weight in Kg / Mtr
65 x 16	8.200
65 x 20	10.200
65 x 25	12.800
75 x 6	3.498
75 x 8	4.698
75 x 10	5.899
75 x 12	7.087
75 x 16	9.397
75 x 20	11.798
75 x 25	14.699
100 x 6	4.698
100 x 8	6.300
100 x 10	7.798
100 x 12	9.397
100 x 16	12.599
100 x 20	15.700
100 x 25	19.599
125 x 6	5.900
125 x 8	7.900
125 x 10	9.797
125 x 12	11.798

Size in mm	Weight in Kg / Mtr
125 x 16	15.750
125 x 20	19.597
125 x 25	24.600
150 x 6	7.218
150 x 8	9.400
150 x 10	11.798
150 x 12	14.098
150 x 16	18.797
150 x 20	23.597
150 x 25	29.499
200 x 6	9.420
200 x 8	12.599
200 x 10	15.699
200 x 12	18.839
250 x 8	13.700
250 x 10	19.625
250 x 12	23.549
300 x 10	23.550
300 x 12	28.259

Truck & Trailer Body, Cable Trays, Elevators, Base Plates, Earthing Material, Ship Building, Bright Bar Industry.



MS Equal Angles

- ✓ Precision-rolled for consistent dimensions
- ✓ Excellent strength-to-weight ratio
- ✓ Suitable for structural bracing and framing
- ✓ Corrosion-resistant coatings available
- ✓ Easy to drill, weld, and assemble

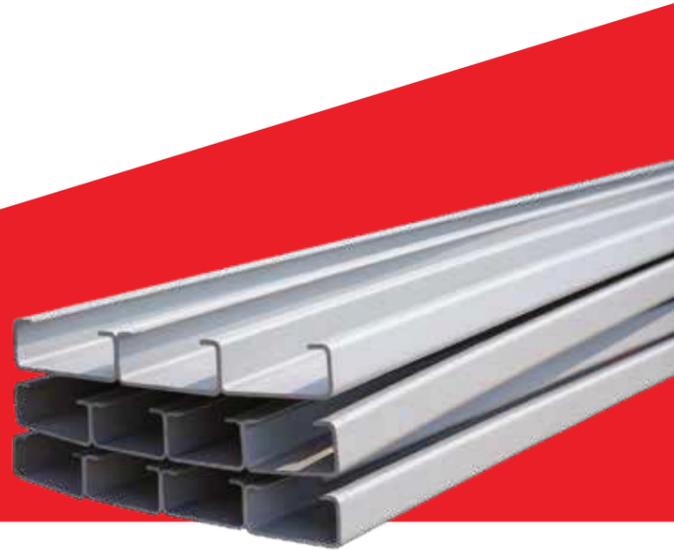


Size mm	Thickness (mm)													
	3	4	5	6	8	10	12	16	18	20	25	28	32	35
20x20	0.90	1.10												
25x25	1.10	1.40	1.80	2.20										
32x32	1.34													
35x35	1.60	2.10	2.60	3.00										
37x37	1.64													
40x40		2.40	3.00	3.50										
45x45		2.70	3.10	4.00										
50x50		3.00	3.80	4.50										
65x65			4.90	5.80	7.70	9.40								
75x75			5.70	6.80	8.90	11.00								
80x80				7.30	9.60	11.80	14.00							
90x90				8.20	10.80	13.40	15.80							
100x100				9.20	12.10	14.80	17.70							
110x110					13.40	16.50	19.60	24.20						
130x130					15.90	19.70	23.40	28.20						
150x150						22.80	27.20	35.80	39.90	44.10				
200x200							36.60	48.50	54.00	60.00	73.60			
250x250											93.60	104.00	118.00	128.00



Electrical & Mobile Towers, Barge & Ship Building, Infrastructure, Industrial Sheds, Auto Bodies, Transmission Lines, etc.

Indian Standard Mild Channels (ISMC)



MS Channel	
Size mm	Wt. in Kg/mtr
75 x 40	7.20
100 x 50	9.56
125 x 65	13.00
150 x 75	16.80
175 x 75	19.20
200 x 75	22.30
225 x 80	24.00
250 x 82	34.20
300 x 90	36.30
400 x 100	50.10

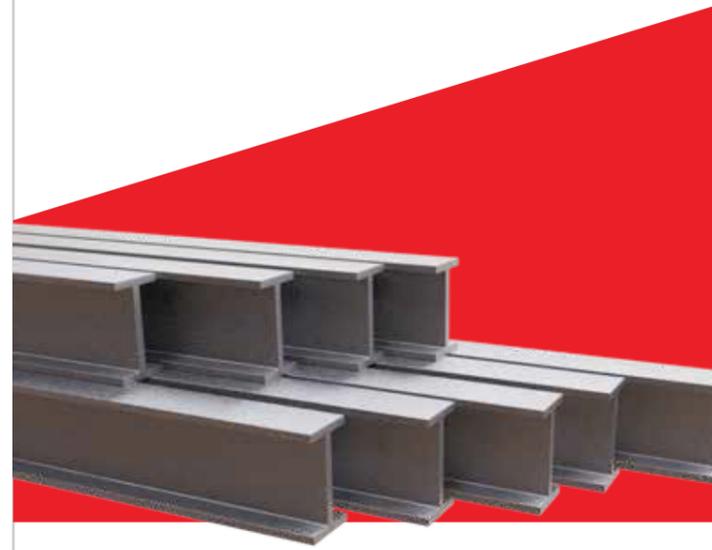
Beams

a) Indian Standard Mild Beam (ISMB)

Size mm	Wt. in Kg/mtr
100 x 50	8.00
125 x 70	13.20
150 x 75	15.00
200 x 100	25.40
225x110	31.20
250 x 125	37.30
300 x 140	46.00
350 x 140	52.40
400 x 140	61.60
450 x 150	72.40
500 x 180	86.92
600 x 210	123.00



b) Parallel Flanged Beams (PFB)



UB Series	Sectional Weights (Kg / mtr)				
	Min → Max				
	25.0	-	-	-	-
	31.0	-	-	-	-
UB 305 x 165	40.0	46.0	54.0	-	-
UB 356 x 171	45.0	51.0	57.0	67.0	-
UB 406 x 178	54.0	60.0	67.0	74.0	-
UB 457 x 152	52.0	60.0	67.0	74.0	82.0
UB 457 x 191	67.0	74.0	82.0	89.0	98.0
UB 533 x 210	82.0	92.0	101.0	109.0	122.0
UB 610 x 229	101.0	113.0	125.0	140.0	-

NPB Series	Sectional Weights (Kg / mtr)				
	Min → Max				
NPB 180 x 90	15.37	18.80	21.27	-	-
NPB 200 x 100	18.42	22.36	25.09	-	-
NPB 400 x 180	57.40	66.30	75.70	-	-
NPB 450 x 190	67.20	77.60	92.40	-	-
NPB 500 x 200	79.40	90.70	107.30	-	-
NPB 600 x 220	107.60	122.40	154.50	-	-

IPE Series	Sectional Weights (Kg / mtr)				
	Min → Max				
IPE 200 x 100	18.4	22.4	25.1	-	-
IPE 400 x 180	57.4	66.4	75.7	-	-
IPE 450 x 190	67.4	77.4	92.4	-	-
IPE 500 x 200	79.4	90.4	107.3	-	-
IPE 600 x 220	107.6	122.6	154.5	-	-

WPB Series	Sectional Weights (Kg / mtr)				
	Min → Max				
WPB/HE 320 x 300	74.2	97.6	127.0	245.0	-
WPB/HE 600 x 300	128.8	177.8	211.9	285.5	-
WPB/HE 700 x 300	149.9	204.5	240.5	300.7	-
WPB/HE 800 x 300	172.0	262.0	262.0	317.0	373.0
WPB/HE 900 x 300	252.0	291.0	333.0	-	-

Universal Column (UC)

Designation	Sectional Weights (Kg / mtr)						
	Min → Max						
UC 152 X 152	23.0	30.0	37.0	-	-	-	-
UC 203 X 203	46.0	52.0	60.0	71.0	86.0	-	-
UC 254 X 254	73.0	89.0	107.0	132.0	167.0	-	-
UC 305 X 305	97.0	118.0	137.0	158.0	198.0	240.0	283.0
UC 356 X 368	129.0	153.0	177.0	202.0	-	-	-
UC 356 X 406	235.0	287.0	-	-	-	-	-



Electrical & Mobile Towers, Barge & Ship Building, Infrastructure, Industrial Sheds, Auto Bodies, Transmission Lines, etc.

Hollow Sections

Strength Variety
YS 210
YS 310
YS 355
YS 450

Make/Brand
JSPL
Apollo



1) Square Hollow Section (SHS)



2) Rectangular Hollow Section (RHS)



3) Circular Hollow Section (CHS)



Square Hollow Sections												
SHS B X B mm	Thickness mm	Sec Area A cm ²	Unit W Kg/m	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface
				I _{xx} cm ⁴	I _{yy} cm ⁴	r _{xx} cm	r _{yy} cm	z _{xx} cm ³	z _{yy} cm ³	J cm ⁴	B cm ³	Area per mm ²
25X25	2.0	1.74	1.36	1.48	1.48	0.92	0.92	1.19	1.19	2.29	1.68	0.090
	2.6	2.16	1.69	1.72	1.72	0.89	0.89	1.38	1.38	2.68	1.92	0.087
	3.2	2.53	1.98	1.89	1.89	0.86	0.86	1.51	1.51	2.96	2.07	0.084
32X32	2.0	2.30	1.80	3.36	3.36	1.21	1.21	2.10	2.10	5.30	3.05	0.118
	2.6	2.88	2.26	4.02	4.02	1.18	1.18	2.51	2.51	6.45	3.63	0.115
	3.2	3.42	2.69	4.54	4.54	1.15	1.15	2.84	2.84	7.41	4.07	0.112
38X38	2.6	3.51	2.75	7.14	7.14	1.43	1.43	3.76	3.76	11.51	5.49	0.139
	3.2	4.19	3.29	8.18	8.18	1.40	1.40	4.30	4.30	13.45	6.25	0.136
	4.0	6.03	3.95	9.26	9.26	1.36	1.36	4.87	4.87	15.67	7.12	0.131
40X40	2.6	3.72	2.92	8.45	8.45	1.51	1.51	4.22	4.22	13.63	6.20	0.147
	3.2	4.45	3.49	9.72	9.72	1.48	1.48	4.86	4.86	16.00	7.12	0.144
	4.0	5.35	4.20	11.07	11.07	1.44	1.44	5.54	5.54	18.75	8.12	0.139
50X50	2.6	4.76	3.74	17.47	17.47	0.92	0.92	6.99	6.99	28.53	10.37	0.187
	2.9	5.25	4.12	18.99	18.99	1.90	1.90	7.60	7.60	31.15	11.23	0.185
	3.6	6.35	4.98	22.15	22.15	1.87	1.87	8.66	8.66	36.58	12.98	0.181
60X60	4.5	7.67	6.02	25.50	25.50	1.82	1.82	10.20	10.20	41.99	14.68	0.177
	2.6	5.80	4.55	31.33	31.33	2.33	2.33	10.44	10.44	50.08	15.52	0.227
	2.9	7.01	5.50	36.94	36.94	2.30	2.30	12.31	12.31	60.02	18.31	0.224
60X60	3.6	8.55	6.71	43.55	43.55	2.26	2.26	14.52	14.52	72.41	21.52	0.219
	4.5	10.01	7.85	49.22	49.22	2.22	2.22	16.41	16.41	83.96	24.51	0.215
	72X72	3.2	8.54	6.71	66.32	66.32	2.79	2.79	18.42	18.42	106.81	27.47
72X72	4.0	10.47	8.22	79.03	79.03	2.75	2.75	21.95	21.95	129.85	32.78	0.276
	4.8	12.31	9.66	90.31	90.31	2.71	2.71	25.09	25.09	151.55	37.55	0.263
	80X80	3.2	9.57	7.51	92.71	92.71	3.11	3.11	23.18	23.18	148.55	34.60
80X80	4.0	11.75	9.22	111.04	111.04	3.07	3.07	27.76	27.76	181.22	41.49	0.299
	4.8	13.85	10.87	127.58	127.58	3.04	3.04	31.89	31.89	212.25	47.77	0.295
	91.5X91.5	3.6	12.32	9.67	156.49	156.49	3.56	3.56	24.21	24.21	251.17	51.14
91.5X91.5	4.5	15.14	11.88	187.57	187.57	3.52	3.52	41.00	41.00	306.76	61.40	0.343
	5.4	17.85	14.01	215.68	215.68	3.48	3.48	47.14	47.14	259.76	70.77	0.228
	100X100	4.0	14.95	11.73	226.35	226.35	3.89	3.89	45.21	45.21	364.75	67.50
100X100	5.0	18.36	14.41	271.10	271.10	3.84	3.84	54.22	54.22	441.84	80.54	0.374
	6.0	21.63	16.19	311.47	311.47	3.79	3.79	62.29	62.29	511.80	92.06	0.369
	113.5X113.5	4.8	20.28	15.92	393.30	393.30	4.40	4.40	69.30	69.30	637.45	103.89
113.5X113.5	5.4	22.60	17.74	432.58	432.58	4.38	4.38	76.23	76.23	708.69	114.41	0.428
	4.8	23.83	18.71	634.39	634.39	5.16	5.16	96.12	96.12	1018.30	144.11	0.503
	5.4	26.60	20.88	700.11	700.11	5.13	5.13	106.08	106.08	1134.25	159.16	0.500
150X150	4.0	22.95	18.01	807.82	807.82	5.93	5.93	107.71	107.71	1273.46	161.38	0.579
	5.0	28.36	22.26	982.12	982.12	5.89	5.89	130.95	130.95	1569.09	196.38	0.574
	6.0	33.63	26.40	1145.91	1145.91	5.84	5.84	152.79	152.79	1856.18	229.44	0.569
180X180	8.0	43.79	34.39	1443.00	1443.00	5.71	5.71	192.40	192.40	2405.78	290.12	0.559
	4.0	27.75	21.78	1421.74	1421.74	7.16	7.16	157.97	157.97	224.31	236.76	0.699
	5.0	34.36	26.97	1736.87	1736.87	7.11	7.11	192.99	192.99	2747.93	269.40	0.694
180X180	6.0	40.83	32.08	2036.52	2036.52	7.06	7.06	226.28	226.28	3259.23	339.65	0.689
	8.0	53.39	41.91	2690.73	2690.73	6.97	6.97	267.86	267.86	4246.16	433.32	0.679
	220X220	5.0	42.36	33.25	3238.12	3238.12	8.74	8.74	294.37	294.37	5083.17	440.67
220X220	6.0	50.43	39.59	3813.36	3813.36	8.70	8.70	346.67	346.67	6034.53	520.18	0.849
	8.0	66.19	51.96	4894.99	4894.99	8.60	8.60	445.00	445.00	7897.48	666.99	0.839
	10.0	81.43	63.92	5887.19	5887.19	8.50	8.50	535.20	535.20	9549.15	796.48	0.829
250X250	6.0	57.63	54.24	5672.00	5672.00	9.92	9.92	453.76	453.76	8920.44	660.77	0.969
	8.0	75.79	59.50	7135.65	7135.65	9.82	9.82	585.25	585.25	11702.07	879.31	0.959
	10.0	93.43	73.34	8842.29	8842.29	9.73	9.73	707.38	707.38	14248.15	1054.68	0.949



Rectangular Hollow Sections												
RHS D X B mm	Thickness mm	Sec Area A cm ²	Unit W Kg/m	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area per mm ²
				I _{xx} cm ⁴	I _{yy} cm ⁴	r _{xx} cm	r _{yy} cm	Z _{xx} cm ³	Z _{yy} cm ³	J cm ⁴	B cm ³	
50X25	2.0	2.74	2.15	8.38	2.81	1.75	10.10	3.35	2.25	6.79	3.79	0.142
	2.6	3.46	2.71	10.16	3.36	1.71	0.99	4.06	2.69	8.27	4.53	0.137
	3.2	4.13	3.24	11.63	3.80	1.68	0.96	4.65	3.04	9.52	5.12	0.134
	4.0	4.95	3.88	13.13	4.23	1.63	0.92	5.25	3.38	10.86	5.69	0.129
60X40	2.6	4.76	3.73	22.76	12.09	2.19	1.59	7.59	6.05	25.59	9.83	0.187
	2.9	5.25	4.12	24.74	13.11	2.17	1.58	8.25	6.56	28.02	10.66	0.185
	3.6	6.35	4.98	28.90	15.23	2.13	1.55	9.63	7.62	33.30	12.41	0.181
66X33	4.5	7.67	6.02	33.31	17.44	2.08	1.51	11.10	8.72	39.34	14.29	0.177
	2.6	4.70	3.69	25.15	8.43	2.31	1.34	7.62	5.11	20.75	8.71	0.185
	2.9	5.19	4.07	27.33	9.12	2.29	1.33	8.28	5.53	22.65	9.43	0.183
80X40	3.6	6.28	4.93	31.87	10.52	2.25	1.29	9.66	6.37	26.71	10.90	0.179
	4.5	7.58	5.95	36.64	11.93	2.20	1.25	11.10	7.23	31.21	12.43	0.175
	2.6	5.80	4.55	46.58	15.74	2.84	1.65	11.65	7.87	38.50	13.46	0.227
96X48	3.2	7.01	5.50	54.94	18.41	2.80	1.62	13.74	9.21	45.83	15.78	0.224
	4.0	8.55	6.71	64.79	21.49	2.75	1.59	16.20	10.74	54.77	18.49	0.219
	4.8	10.01	7.85	73.22	24.03	2.71	1.55	18.30	12.02	62.81	20.79	0.215
122X61	3.2	8.54	6.71	98.61	33.28	3.40	1.97	20.54	13.87	82.13	23.82	0.272
	4.0	10.47	8.22	117.54	39.23	3.35	1.94	24.49	16.38	99.11	28.24	0.267
	4.8	12.31	9.66	134.35	44.55	3.30	1.90	27.99	18.56	114.80	32.14	0.263
145X82	3.6	12.32	9.67	232.61	78.83	4.34	2.53	38.13	25.84	193.91	44.50	0.347
	4.5	15.14	11.88	278.94	93.78	4.29	2.49	45.73	30.75	235.39	53.13	0.343
	5.4	17.85	14.01	320.83	107.03	4.24	2.45	52.60	35.09	274.29	60.89	0.338
172X92	4.8	20.28	15.92	555.16	228.50	5.23	3.36	76.57	55.73	534.27	94.45	0.429
	5.4	22.60	17.74	610.85	250.59	5.20	3.33	84.26	61.12	592.70	103.81	0.426
	4.8	23.83	18.71	917.13	346.91	6.20	3.82	106.64	75.41	826.04	128.85	0.503
200X100	5.4	26.59	20.88	1012.47	381.74	6.17	3.79	117.73	82.99	918.10	142.04	0.500
	4.0	22.95	18.01	1199.71	410.78	7.23	4.23	119.97	82.16	991.47	141.46	0.579
	5.0	28.36	22.26	1459.25	496.94	7.17	4.19	145.93	99.39	1216.96	171.53	0.574
	6.0	33.63	26.40	1703.31	576.91	7.12	4.14	170.33	115.38	1434.03	199.68	0.569
240X120	8.0	43.79	34.38	2146.21	719.19	7.00	4.05	214.62	143.84	1843.86	250.68	0.559
	4.0	27.75	21.78	2110.72	725.35	8.72	5.11	175.89	120.29	1736.39	208.03	0.699
	5.0	34.36	26.97	2579.67	882.47	8.67	5.07	214.97	147.08	2138.48	253.55	0.694
	6.0	40.83	32.05	3025.97	1030.45	8.61	5.02	252.16	171.74	2528.39	296.70	0.689
300X150	8.0	53.39	41.91	3851.84	1299.95	8.49	4.93	320.99	216.66	3272.90	376.29	0.679
	6.0	51.63	40.53	6073.51	2079.57	10.85	6.35	404.90	277.28	5034.64	478.20	0.869
	8.0	67.79	53.22	7807.95	2654.12	10.73	6.26	520.53	353.88	6559.05	612.64	0.859
	10.0	83.43	65.49	9403.90	3173.71	10.62	6.17	626.93	423.16	8011.67	736.01	0.848
300X200	6.0	57.63	45.24	7390.23	3962.19	11.31	8.29	491.35	296.22	8186.02	650.85	0.969
	8.0	75.79	59.50	9513.66	5091.04	11.12	8.20	634.24	509.70	10722.83	839.51	0.959
	10.0	93.43	73.34	11507.24	6144.30	11.10	8.11	767.15	614.43	13169.70	1015.43	0.948

Circular Hollow Sections								
Nominal Bore	Outside Diameter	Thickness	Weight	Areas of Cross Section	Outer Surface Area/m	Moment of Inertia	Section Modules	Radius of Gyration
mm	mm	mm	kg/m	cm ²	cm ² /m	cm ⁴	cm ³	cm
15	21.3	2.0	0.95	1.21	669	0.57	0.54	0.69
		2.6	1.21	1.53		0.69	0.64	0.66
		3.2	1.44	1.82		0.75	0.70	0.65
20	26.9	2.3	1.38	1.78	845	1.36	1.01	0.87
		2.6	1.56	1.98		1.48	1.10	0.86
		3.2	1.87	2.38		1.70	1.26	0.84
25	33.7	2.6	1.98	2.54	1059	3.09	1.83	1.10
		3.2	0.24	3.06		3.61	2.14	1.08
		4.0	2.93	3.73		4.19	2.48	1.05
32	42.4	2.6	2.54	3.25	1332	6.47	3.05	1.41
		3.2	3.01	3.94		7.62	3.59	1.39
		4.0	3.79	4.82		8.99	4.24	1.36
40	48.3	2.9	3.23	4.13	1517	10.70	4.43	1.61
		3.2	3.56	4.53		11.59	4.80	1.59
		4.0	4.37	5.56		13.77	5.70	1.57
50	60.3	2.9	4.08	5.23	1895	21.58	7.16	2.03
		3.6	5.03	6.41		25.88	8.59	2.00
		5.0	6.19	7.88		30.90	10.20	1.98
65	76.1	3.2	5.71	7.88	2391	48.79	12.82	2.58
		3.6	6.42	8.20		54.02	14.20	2.57
		4.5	7.93	10.10		65.12	17.10	2.54
80	88.9	3.2	6.72	8.61	2793	78.23	17.82	3.03
		4.0	8.36	10.70		96.36	21.88	3.00
		4.8	8.90	12.70		112.52	25.31	2.98
100	114.3	3.6	9.75	12.50	3591	192.03	33.60	3.92
		4.5	12.20	16.50		234.30	41.00	3.89
		5.4	14.50	18.50		274.50	48.00	3.85
125	139.7	4.5	15.00	19.10	4389	437.20	62.60	4.78
		4.8	15.90	20.30		463.44	66.35	4.77
		5.4	17.90	22.80		514.50	73.70	4.75
150	165.1	4.5	17.80	22.70	5187	732.60	88.74	5.68
		4.8	18.90	24.20		777.32	94.18	5.67
		5.4	21.30	27.10		864.70	105.00	5.65
200	219.1	4.8	25.38	32.33	6666	1886.78	169.49	7.58
		6.0	31.51	40.17		2281.95	208.30	7.54
		8.0	41.67	53.03		2960.82	270.27	7.47
		10.0	51.59	65.72		3599.89	328.61	7.40
250	273	6.0	39.51	50.30	8580	4487.08	328.72	9.44
		8.0	52.30	66.63		5854.07	428.87	9.37
		10.0	64.59	82.66		7156.97	524.32	9.31
300	323.9	6.3	49.36	62.88	10180	7932.09	489.70	11.23
		8.0	62.35	79.43		9914.07	612.17	11.17
		10.0	77.35	98.65		12163.24	751.05	11.10

Rails

Crafted for precision and endurance, these profiles support consistent alignment and stable performance in rail tracks and handling setups.

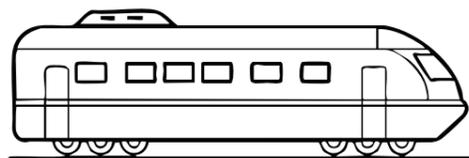


- ✓ High carbon steel for exceptional wear resistance.
- ✓ Precisely rolled for accurate gauge fit.
- ✓ Excellent strength under heavy rolling loads.
- ✓ Long-life performance in transport and material handling.

Make/Brand
JSPL
SAIL

Crane Rail
CR 80 : 64.20 kg
CR 100 : 80.20 kg

Commercial Rail
30 Lbs : 15.0 kg/mtr
60 Lbs : 30.0 kg/mtr
90 Lbs : 45.0 kg/mtr
105 Lbs : 52.4 kg/mtr
120 Lbs : 60.0 kg/mtr



Fastening Essentials

Essentials for construction.



1) Binding Wires (Galvanized and MS)

- ✓ Strong yet flexible for easy tying.
- ✓ Uniform gauge and smooth finish.
- ✓ Rust-resistant coating for longer life.
- ✓ Perfect for reinforcement and packaging.



2) Nails

- ✓ Manufactured from high-grade steel.
- ✓ Sharp tips and consistent shanks for secure hold.
- ✓ Corrosion-resistant finish.
- ✓ Available in a range of sizes for diverse uses.

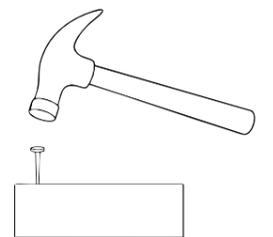
Types & Grades of Binding Wires

GI 16gz/18gz/20gz
MS 16gz/18gz/20gz

Size of Nails Available

1" - 1.5" - 2" - 2.5" - 3" - 4"

Construction industry



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